



Tweentech at Stockton University

Friday, March 17, 2023

USC 1 153	Beekeeping Anyone? Explore honeybees and the art of beekeeping to understand why you might want to become one even if you don't like honey with Stockton Teaching Specialist Meredith Massey.
eSports Lab (bus required)	Broadcast Technology Overview: Learn how to use OBS to capture your computer's audio and video. Useful for content creators, gamers, streamers, and academics with Stockton eSports Advisor Demetrios Roubos.
USC 2 326	Build a Buoyant Barge: Learn about water density and buoyancy to design a floating platform that can carry cargo with Stockton Marine Science Professor Anna Pfeiffer-Herbert.
Campus Ctr MR 4	Coding Your Sphero Robot: Making the transition from Blocks to Javascript Using the Sphero Robot with Stockton Technology Specialist Phil Polsinelli.
Alton Auditorium	Crime Scene Investigation: Investigate a crime scene and use evidence to identify the most likely suspect with Stockton Criminal Science Professor Joshua Duntley.
USC 2 226	Food Chemistry: This workshop looks at some of the chemistry in the kitchen, from gels to nucleation (ice cream!) with Stockton Professor Elizabeth Pollock.
USC 2 225	Lasers and Lissajous Figures: Build a device to display laser figures on the wall. Learn about LASERs and LASER safety with Stockton Professor Joe Trout and Physics Majors.
J 202	Modular Origami: Attendees will learn a popular Origami module that can make several 3D math figures! With Stockton Math Education Professor Norma Boakes.
Maple Grove	Sap to Syrup: Investigate how Stockton faculty, staff, students, and nearby communities are tapping New Jersey red maple trees and creating our own local maple syrup with Stockton Math Professor Judy Vogel and Educational Specialist Debby Sommers.
Campus Center Event Room	Upcycled STEM Challenge Lab: This open session serves late bus arrivals or early departures. An open format, each table will have all the household materials to design an engineering solution with popsicle sticks, toothpicks, twine, and duct tape! with Stockton Dean of Education Claudine Keenan.



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Agenda for the Day

Time	Event	Location
8:00 – 8:45am	Arrival, Pre-survey, Name Tags & Welcome Do Now Activity	Bus Drop-off, Campus Center Event Room
9:00 – 10:30am	Workshop 1 Options Students follow Volunteer Guides to Sessions	See details (reverse)
10:45 – 11:15am	Brunch Time Lunch Food	Campus Center Event Room
11:30 – 1:00pm	Workshop 2 Options (Repeat) Educators to any workshop(s) of their choice	Same locations
1:15 – 2:00pm	Wrap Up (Post-survey and Tech Trek video, forms) Question/Answer cards, STEM Activities	Campus Center Event Room

DO NOW: Make your STEM questions for the day index cards. You can ask questions about what field(s) of study the workshop includes, what careers are related to it, what high school and college classes lead up to it, what % of women are enrolled in those related majors or careers (see samples)→

Session 1: what is the engineering design process?
 Session 2: can you tell me more about some careers in biology?

Girls: please stay with the volunteer holding your Workshop Group sign. If you need to use the restroom, your volunteer or chaperone will walk you (and a friend – always go in pairs) both to and from the restroom. Please put your cell phone away for today, unless your workshop volunteer asks you to use it in the session! Remember to ask your STEM questions for the day in both sessions – they can be the same questions or different ones based on which workshops you plan to attend – the more you ask, the more you learn!

Remembering Dr. Vera King Farris

(July 18, 1938 - November 28, 2009)

A Tribute by Jan Harris, AAUW NJ, Garden State Branch Member



The late Dr. Vera King Farris was the third president of Stockton who served for 20-years from 1983 until her retirement in 2003. A distinguished woman scientist, President Emerita Farris became the first female African-American president of a New Jersey public college, and one of the first in the nation.

Dr. Farris was a native of Atlantic City, New Jersey and attended Atlantic City High School, graduating third in the class of 1954. She earned a biology degree from Tuskegee University in 1959. She later earned master and doctorate degrees in zoology from the University of Massachusetts Amherst. She held administrative and teaching positions at the State University of New York at Stony Brook and Brockport, and the University of Michigan. Dr. Farris returned home to New Jersey to become Vice President for Academic Affairs at Kean University in Union before leading Stockton to become nationally ranked, more diverse, and a more beautiful campus.

How proud Dr. Vera King Farris would be to know that in the tradition of AAUW New Jersey's own highly successful Tween Tech program for high school girls, members of the Atlantic and Cape May branches are holding annual Tween Tech events for 6th – 8th grade girls. As Tween Tech stimulates and inspires the interests of middle school girls in STEM, Dr. Farris' spirit will certainly be with this innovative program on the campus of her beloved Stockton University, in the company of girls from her Atlantic City district and its neighboring schools of southern New Jersey.